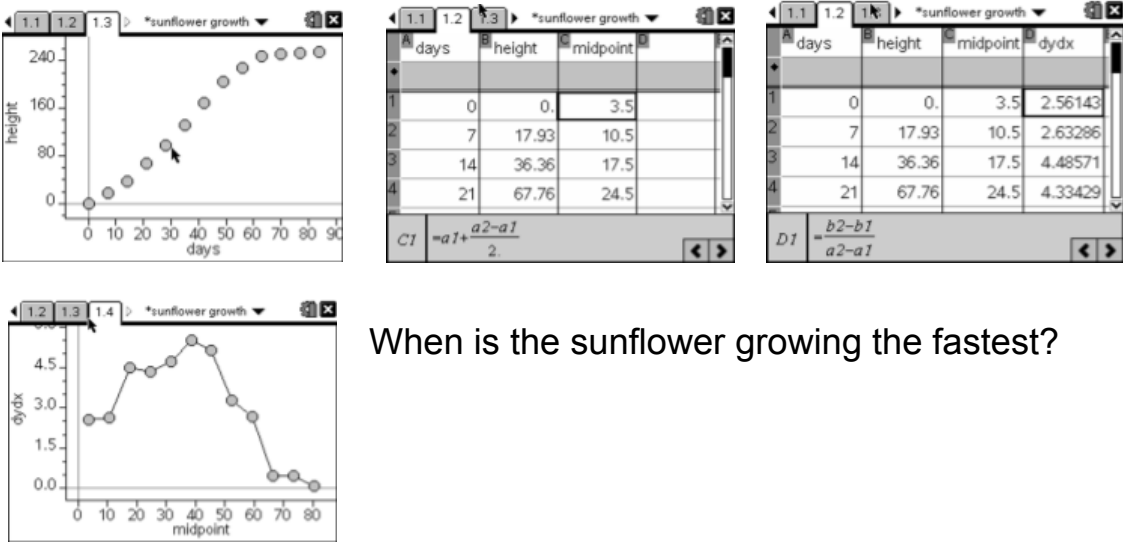


3.1b Derivative as a function - numerically and algebraically

Sunflower growth



When is the sunflower growing the fastest?

Sep 9-10:16 PM

Find the derivative of $1=1/x$ at $x=1$

Sep 9-10:41 PM

Find the derivative of $y = \sqrt{x+2}$ at $x=7$

Sep 10-11:27 AM

One-sided derivatives

Show that the following function has a left hand and a right hand derivative at $x=0$, but no derivative there.

$$f(x) = \begin{cases} x^2 & x \leq 0 \\ 2x & x > 0 \end{cases}$$

Sep 10-11:33 AM